

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1600RXA

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America
NEWS 2 "Ask CAS" for self-help around the clock
NEWS 3 SEP 01 INPADOC: New family current-awareness alert (SDI) available
NEWS 4 SEP 01 New pricing for the Save Answers for SciFinder Wizard within
STN Express with Discover!
NEWS 5 SEP 01 New display format, HITSTR, available in WPIDS/WPINDEX/WPIX
NEWS 6 SEP 27 STANDARDS will no longer be available on STN
NEWS 7 SEP 27 SWETSCAN will no longer be available on STN
NEWS 8 OCT 28 KOREAPAT now available on STN
NEWS 9 NOV 18 Current-awareness alerts, saved answer sets, and current
search transcripts to be affected by CERAB, COMPUAB, ELCOM,
and SOLIDSTATE reloads
NEWS 10 NOV 30 PHAR reloaded with additional data
NEWS 11 DEC 01 LISA now available on STN

NEWS EXPRESS OCTOBER 29 CURRENT WINDOWS VERSION IS V7.01A, CURRENT
MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
AND CURRENT DISCOVER FILE IS DATED 11 AUGUST 2004
NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS INTER General Internet Information
NEWS LOGIN Welcome Banner and News Items
NEWS PHONE Direct Dial and Telecommunication Network Access to STN
NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that
specific topic.

All use of STN is subject to the provisions of the STN Customer
agreement. Please note that this agreement limits use to scientific
research. Use for software development or design or implementation
of commercial gateways or other similar uses is prohibited and may
result in loss of user privileges and other penalties.

* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 09:17:55 ON 06 DEC 2004

=> fil reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'REGISTRY' ENTERED AT 09:18:18 ON 06 DEC 2004

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 5 DEC 2004 HIGHEST RN 792236-36-3
DICTIONARY FILE UPDATES: 5 DEC 2004 HIGHEST RN 792236-36-3

TSCA INFORMATION NOW CURRENT THROUGH MAY 21, 2004

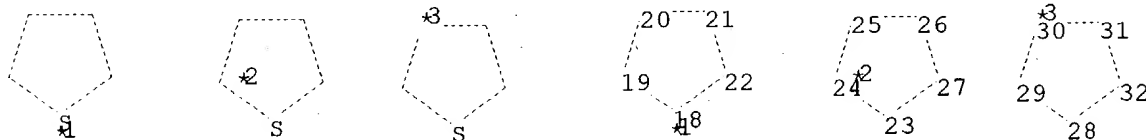
Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=>

Uploading C:\STNEXP4\QUERIES\098988941.str



chain nodes :

7 8 9 10 12 37 38 39 40

ring nodes :

1 2 3 4 5 6 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32

chain bonds :

1-7 1-8 2-39 2-40 7-37 8-9 9-10 9-12 37-38

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 18-19 18-22 19-20 20-21 21-22 23-24 23-27
24-25 25-26 26-27 28-29 28-32 29-30 30-31 31-32

exact/norm bonds :

1-2 1-6 1-7 1-8 2-3 2-39 2-40 3-4 4-5 5-6 7-37 8-9 9-10 9-12 18-19
18-22 19-20 20-21 21-22 23-24 23-27 24-25 25-26 26-27 28-29 28-32 29-30
30-31 31-32 37-38

isolated ring systems :

containing 1 : 18 : 23 : 28 :

G1:O,N

G2:[*1],[*2],[*3]

Match level :

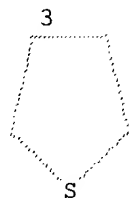
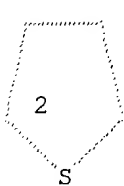
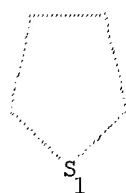
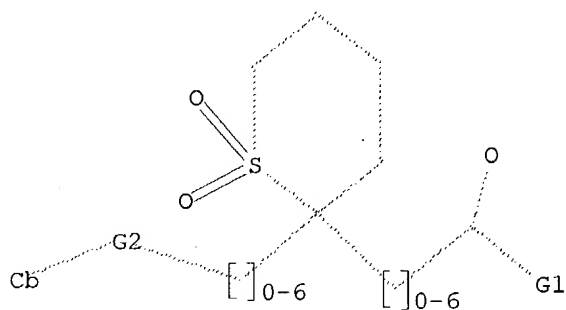
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 9:CLASS 10:CLASS
12:CLASS 18:Atom 19:Atom 20:Atom 21:Atom 22:Atom 23:Atom 24:Atom 25:Atom
26:Atom 27:Atom 28:Atom 29:Atom 30:Atom 31:Atom 32:Atom 37:CLASS 38:Atom
39:CLASS 40:CLASS

L1 STRUCTURE UPLOADED

=> d

L1 HAS NO ANSWERS

L1 STR



G1 O,N

G2 [01],[02],[03]

Structure attributes must be viewed using STN Express query preparation.

=> s l1

SAMPLE SEARCH INITIATED 09:18:54 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 440 TO ITERATE

100.0% PROCESSED 440 ITERATIONS
SEARCH TIME: 00.00.01

0 ANSWERS

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**

PROJECTED ITERATIONS: 7542 TO 10058
PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=> s l1 full

FULL SEARCH INITIATED 09:18:57 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 9336 TO ITERATE

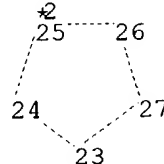
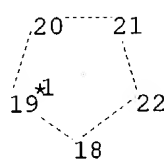
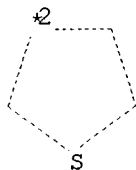
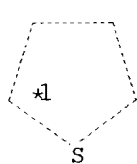
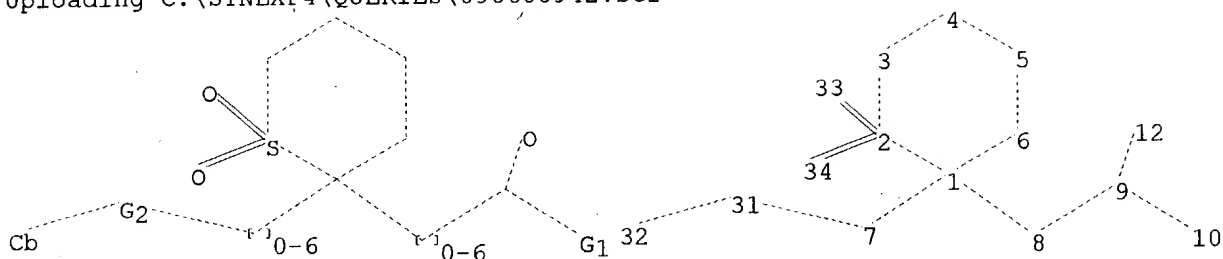
100.0% PROCESSED 9336 ITERATIONS
SEARCH TIME: 00.00.02

0 ANSWERS

L3 0 SEA SSS FUL L1

=>

Uploading C:\STNEXP4\QUERIES\098688942.str



chain nodes :

7 8 9 10 12 31 32 33 34

ring nodes :

1 2 3 4 5 6 18 19 20 21 22 23 24 25 26 27

chain bonds :

1-7 1-8 2-33 2-34 7-31 8-9 9-10 9-12 31-32

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 18-19 18-22 19-20 20-21 21-22 23-24 23-27

24-25 25-26 26-27

exact/norm bonds :

1-2 1-6 1-7 1-8 2-3 2-33 2-34 3-4 4-5 5-6 7-31 8-9 9-10 9-12 18-19
18-22 19-20 20-21 21-22 23-24 23-27 24-25 25-26 26-27 31-32

isolated ring systems :

containing 1 : 18 : 23 :

G1:O,N

G2:[*1],[*2]

Match level :

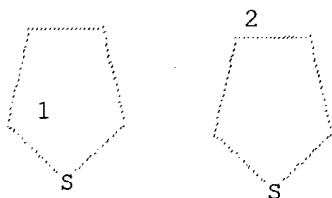
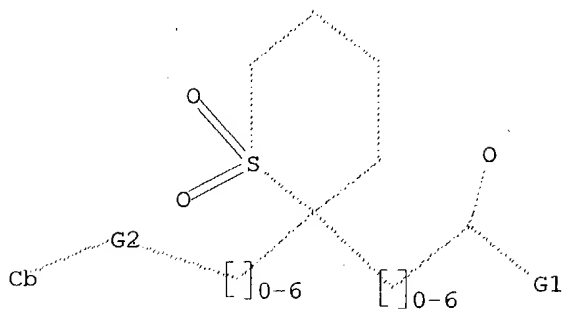
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 9:CLASS 10:CLASS
12:CLASS 18:Atom 19:Atom 20:Atom 21:Atom 22:Atom 23:Atom 24:Atom 25:Atom
26:Atom 27:Atom 31:CLASS 32:Atom 33:CLASS 34:CLASS

L4 STRUCTURE UPLOADED

=> d

L4 HAS NO ANSWERS

L4 STR



G1 O,N

G2 [01], [02]

Structure attributes must be viewed using STN Express query preparation.

=> s 14

SAMPLE SEARCH INITIATED 09:20:42 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 440 TO ITERATE

100.0% PROCESSED 440 ITERATIONS

0 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**

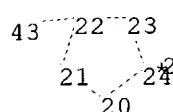
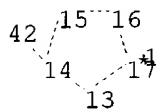
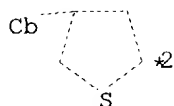
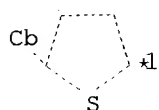
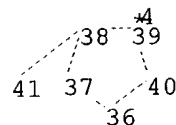
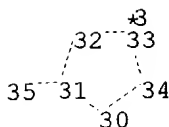
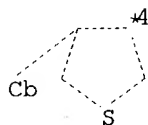
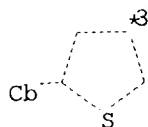
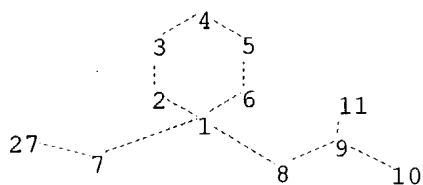
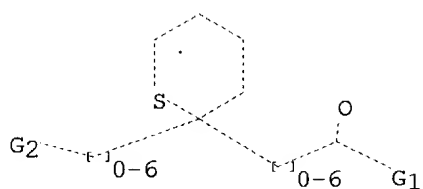
PROJECTED ITERATIONS: 7542 TO 10058

PROJECTED ANSWERS: 0 TO 0

L5 0 SEA SSS SAM L4

=>

Uploading C:\STNEXP4\QUERIES\09868894z.str



chain nodes :

7 8 9 10 11 27 35 41 42 43

ring nodes :

1 2 3 4 5 6 13 14 15 16 17 20 21 22 23 24 30 31 32 33 34 36

37 38 39 40

chain bonds :

1-7 1-8 7-27 8-9 9-10 9-11 14-42 22-43 31-35 38-41

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 13-14 13-17 14-15 15-16 16-17 20-21 20-24

21-22 22-23 23-24 30-31 30-34 31-32 32-33 33-34 36-37 36-40 37-38 38-39

39-40

exact/norm bonds :

1-2 1-6 1-7 1-8 2-3 3-4 4-5 5-6 7-27 8-9 9-10 9-11 13-14 13-17 14-15

14-42 15-16 16-17 20-21 20-24 21-22 22-23 22-43 23-24 30-31 30-34 31-32

31-35 32-33 33-34 36-37 36-40 37-38 38-39 38-41 39-40

isolated ring systems :

containing 1 : 13 : 20 :

G1:O,N

G2:[*1],[*2],[*3],[*4]

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 9:CLASS 10:CLASS
11:CLASS 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 20:Atom 21:Atom 22:Atom
23:Atom 24:Atom 27:CLASS 30:Atom 31:Atom 32:Atom 33:Atom 34:Atom 35:Atom
36:Atom 37:Atom 38:Atom 39:Atom 40:Atom 41:Atom 42:Atom 43:Atom

L6 STRUCTURE UPLOADED

=> d

L6 HAS NO ANSWERS

L6 STR

Structure diagram not available for display

Structure attributes must be viewed using STN Express query preparation.

=> s 16

SAMPLE SEARCH INITIATED 09:29:51 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 5964 TO ITERATE

16.8% PROCESSED 1000 ITERATIONS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

2 ANSWERS

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**

PROJECTED ITERATIONS: 114650 TO 123910
PROJECTED ANSWERS: 31 TO 445

L7 2 SEA SSS SAM L6

=> s 16 full

FULL SEARCH INITIATED 09:29:56 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 120279 TO ITERATE

100.0% PROCESSED 120279 ITERATIONS
SEARCH TIME: 00.00.04

554 ANSWERS

L8 554 SEA SSS FUL L6

=> s 18 and caplus

0 CAPLUS

L9 0 L8 AND CAPLUS

=> s 18 and caplus/lc

41353010 CAPLUS/LC

L10 542 L8 AND CAPLUS/LC

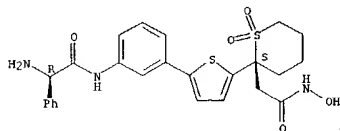
=> s 18 not l10

L11 12 L8 NOT L10

=> d 111 1-12

L11 ANSWER 1 OF 12 REGISTRY COPYRIGHT 2004 ACS on STN
 RN 790196-24-6 REGISTRY
 CN 2H-Thiopyran-2-acetamide, 2-[5-[3-[(2R)-aminophenylacetyl]amino]phenyl]-2-thienyl]tetrahydro-N-hydroxy-, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)
 FS STEREOSEARCH
 MF C25 H27 N3 O5 S2
 CI COM
 SR CA

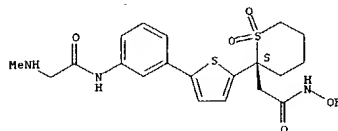
Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

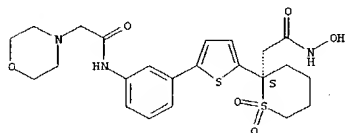
L11 ANSWER 2 OF 12 REGISTRY COPYRIGHT 2004 ACS on STN
 RN 788145-47-1 REGISTRY
 CN 2H-Thiopyran-2-acetamide, tetrahydro-N-hydroxy-2-[5-[3-[(1-methylamino)acetyl]amino]phenyl]-2-thienyl]-, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)
 FS STEREOSEARCH
 MF C20 H25 N3 O5 S2
 CI COM
 SR CA

Absolute stereochemistry.



L11 ANSWER 3 OF 12 REGISTRY COPYRIGHT 2004 ACS on STN
 RN 779313-25-6 REGISTRY
 CN 4-Morpholineacetamide, N-[3-[5-[(2S)-tetrahydro-2-[2-(hydroxyamino)-2-oxoethyl]-1,1-dioxido-2H-thiopyran-2-yl]-2-thienyl]phenyl]- (9CI) (CA INDEX NAME)
 FS STEREOSEARCH
 MF C23 H29 N3 O6 S2
 CI COM
 SR CA

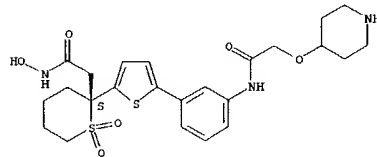
Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L11 ANSWER 4 OF 12 REGISTRY COPYRIGHT 2004 ACS on STN
 RN 777045-81-5 REGISTRY
 CN 2H-Thiopyran-2-acetamide, tetrahydro-N-hydroxy-2-[5-[3-[(4-piperidinyl)oxy]acetyl]amino]phenyl]-2-thienyl]-, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)
 FS STEREOSEARCH
 MF C24 H31 N3 O6 S2
 CI COM
 SR CA

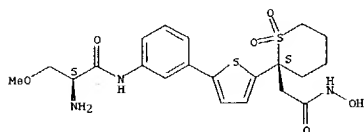
Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L11 ANSWER 5 OF 12 REGISTRY COPYRIGHT 2004 ACS on STN
 RN 776282-75-8 REGISTRY
 CN 2H-Thiopyran-2-acetamide, 2-[5-[3-[(2S)-2-amino-3-methoxy-1-oxopropyl]amino]phenyl]-2-thienyl]tetrahydro-N-hydroxy-, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)
 FS STEREOSEARCH
 MF C21 H27 N3 O6 S2
 CI COM
 SR CA

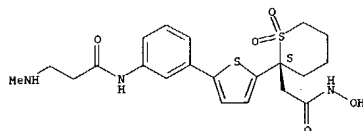
Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L11 ANSWER 6 OF 12 REGISTRY COPYRIGHT 2004 ACS on STN
 RN 773043-19-9 REGISTRY
 CN 2H-Thiopyran-2-acetamide, tetrahydro-N-hydroxy-2-[5-[3-[(3-methylamino)-1-oxopropyl]amino]phenyl]-2-thienyl]-, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)
 FS STEREOSEARCH
 MF C21 H27 N3 O5 S2
 CI COM
 SR CA

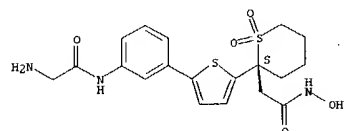
Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L11 ANSWER 7 OF 12 REGISTRY COPYRIGHT 2004 ACS on STN
 RN 763071-55-2 REGISTRY
 CN 2H-Thiopyran-2-acetamide, 2-[5-[3-[(aminoacetyl)amino]phenyl]-2-thienyl]tetrahydro-N-hydroxy-, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)
 FS STEREOSEARCH
 MF C19 H23 N3 O5 S2
 CI COM
 SR CA

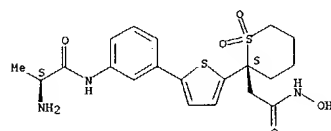
Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L11 ANSWER 8 OF 12 REGISTRY COPYRIGHT 2004 ACS on STN
 RN 760933-49-1 REGISTRY
 CN 2H-Thiopyran-2-acetamide, 2-[5-[3-[(2S)-2-amino-1-oxopropyl]amino]phenyl]-2-thienyl]tetrahydro-N-hydroxy-, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)
 FS STEREOSEARCH
 MF C20 H25 N3 O5 S2
 CI COM
 SR CA

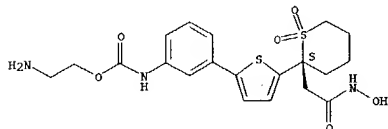
Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L11 ANSWER 9 OF 12 REGISTRY COPYRIGHT 2004 ACS on STN
 RN 752190-69-5 REGISTRY
 CN Carbamic acid, [3-[5-[(2S)-tetrahydro-2-[2-(hydroxyamino)-2-oxoethyl]-1,1-dioxido-2H-thiopyran-2-yl]-2-thienyl]phenyl]-, 2-aminoethyl ester (9CI)
 (CA INDEX NAME)
 FS STEREOSEARCH
 MF C20 H25 N3 O6 S2
 CI COM
 SR CA

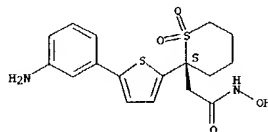
Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L11 ANSWER 10 OF 12 REGISTRY COPYRIGHT 2004 ACS on STN
 RN 749837-12-5 REGISTRY
 CN 2H-Thiopyran-2-acetamide, 2-[5-(3-aminophenyl)-2-thienyl]tetrahydro-N-hydroxy-, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)
 FS STEREOSEARCH
 MF C17 H20 N2 O4 S2
 CI COM
 SR CA

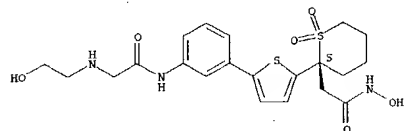
Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L11 ANSWER 11 OF 12 REGISTRY COPYRIGHT 2004 ACS on STN
 RN 741561-21-2 REGISTRY
 CN 2H-Thiopyran-2-acetamide, tetrahydro-N-hydroxy-2-[5-[3-[[[(2-hydroxyethyl)amino]acetyl]amino]phenyl]-2-thienyl]-, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)
 FS STEREOSEARCH
 MF C21 H27 N3 O6 S2
 CI COM
 SR CA

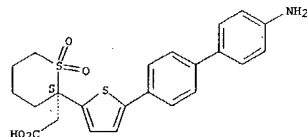
Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L11 ANSWER 12 OF 12 REGISTRY COPYRIGHT 2004 ACS on STN
 RN 734529-70-5 REGISTRY
 CN 2H-Thiopyran-2-acetic acid, 2-[5-(4'-amino[1,1'-biphenyl]-4-yl)-2-thienyl]tetrahydro-, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)
 FS STEREOSEARCH
 MF C23 H23 N O4 S2
 CI COM
 SR CA

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

=> d en lll 1-12
'EN' IS NOT A VALID FORMAT FOR FILE 'REGISTRY'

The following are valid formats:

Substance information can be displayed by requesting individual fields or predefined formats. The predefined substance formats are: (RN = CAS Registry Number)

REG - RN
SAM - Index Name, MF, and structure - no RN
FIDE - All substance data, except sequence data
IDE - FIDE, but only 50 names
SQIDE - IDE, plus sequence data
SQIDE3 - Same as SQIDE, but 3-letter amino acid codes are used
SQD - Protein sequence data, includes RN
SQD3 - Same as SQD, but 3-letter amino acid codes are used
SQN - Protein sequence name information, includes RN

CALC - Table of calculated properties
EPROP - Table of experimental properties
PROP - EPROP and CALC

Any CA File format may be combined with any substance format to obtain CA references citing the substance. The substance formats must be cited first. The CA File predefined formats are:

ABS -- Abstract
APPS -- Application and Priority Information
BIB -- CA Accession Number, plus Bibliographic Data
CAN -- CA Accession Number
CBIB -- CA Accession Number, plus Bibliographic Data (compressed)
IND -- Index Data
IPC -- International Patent Classification
PATS -- PI, SO
STD -- BIB, IPC, and NCL

IABS -- ABS, indented, with text labels
IBIB -- BIB, indented, with text labels
ISTD -- STD format, indented

OBIB ----- AN, plus Bibliographic Data (original)
OIBIB ----- OBIB, indented with text labels

SBIB ----- BIB, no citations
SIBIB ----- IBIB, no citations

The ALL format gives FIDE BIB ABS IND RE, plus sequence data when it is available.

The MAX format is the same as ALL.

The IALL format is the same as ALL with BIB ABS and IND indented, with text labels.

For additional information, please consult the following help messages:

HELP DFIELDS -- To see a complete list of individual display fields.

HELP FORMATS -- To see detailed descriptions of the predefined formats.
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=> en l11 1-12

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=> d ed l11 1-12

L11 ANSWER 1 OF 12 REGISTRY COPYRIGHT 2004 ACS on STN
ED Entered STN: 29 Nov 2004

L11 ANSWER 2 OF 12 REGISTRY COPYRIGHT 2004 ACS on STN
ED Entered STN: 25 Nov 2004

L11 ANSWER 3 OF 12 REGISTRY COPYRIGHT 2004 ACS on STN
ED Entered STN: 12 Nov 2004

L11 ANSWER 4 OF 12 REGISTRY COPYRIGHT 2004 ACS on STN
ED Entered STN: 09 Nov 2004

L11 ANSWER 5 OF 12 REGISTRY COPYRIGHT 2004 ACS on STN
ED Entered STN: 08 Nov 2004

L11 ANSWER 6 OF 12 REGISTRY COPYRIGHT 2004 ACS on STN
ED Entered STN: 01 Nov 2004

L11 ANSWER 7 OF 12 REGISTRY COPYRIGHT 2004 ACS on STN
ED Entered STN: 15 Oct 2004

L11 ANSWER 8 OF 12 REGISTRY COPYRIGHT 2004 ACS on STN
ED Entered STN: 12 Oct 2004

L11 ANSWER 9 OF 12 REGISTRY COPYRIGHT 2004 ACS on STN
ED Entered STN: 27 Sep 2004

L11 ANSWER 10 OF 12 REGISTRY COPYRIGHT 2004 ACS on STN
ED Entered STN: 23 Sep 2004

L11 ANSWER 11 OF 12 REGISTRY COPYRIGHT 2004 ACS on STN
ED Entered STN: 09 Sep 2004

L11 ANSWER 12 OF 12 REGISTRY COPYRIGHT 2004 ACS on STN
ED Entered STN: 27 Aug 2004

=> fil caplus

COST IN U.S. DOLLARS

SINCE FILE

ENTRY

TOTAL

SESSION

FULL ESTIMATED COST

370.58

370.79

FILE 'CAPLUS' ENTERED AT 09:31:20 ON 06 DEC 2004

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FILE COVERS 1907 - 6 Dec 2004 VOL 141 ISS 24

FILE LAST UPDATED: 5 Dec 2004 (20041205/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> d his

(FILE 'HOME' ENTERED AT 09:17:55 ON 06 DEC 2004)

FILE 'REGISTRY' ENTERED AT 09:18:18 ON 06 DEC 2004

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L8 554 S L6 FULL
L9 0 S L8 AND CAPLUS
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L11 12 S L8 NOT L10

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=> s wo2000040576/pn

L13 1 WO2000040576/PN
(WO2000040576/PN)

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L13 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN

AM 2000:475658 CAPLUS

DN 133:104964

TI Preparation of tetrahydro-2H-thiopyran-1,1-dioxides as inhibitors of
matrix metalloproteinases or tumor necrosis factor α
IN Taniguchi, Kiyoshi; Naya, Masahiro; Terasawa, Takeshi; Yamazaki, Hitoshi;
Sato, Kentaro; Hosoi, Kumi; Tomishima, Yasuyo; Yoshida, Noriko; Imamura,
Yoshimasa; Takasugi, Hisashi; Setoi, Hiroyuki

FA Fujisawa Pharmaceutical Co., Ltd., Japan

SO FCT Int. Appl., 336 pp.

CODEN: PIRKX2

DT Patent

LA English

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2000040576	A2	20000713	WO 2000-JP18	20000106 <--
WO 2000040576	A3	20010322		
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GW, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
CA 2357874	AA	20000713	CA 2000-2357874	20000106
AU 2000018905	A5	20000724	AU 2000-18905	20000106
AU 759900	B2	20030501		
EP 1140895	A2	20011010	EP 2000-900122	20000106
EP 1140895	B1	20040324		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
TR 200101936	T2	20011221	TR 2001-200101936	20000106
BR 2000008589	A	20020129	BR 2000-8589	20000106
RU 2221792	C2	20040120	RU 2001-121981	20000106
AT 262517	E	20040415	AT 2000-900122	20000106
ES 2213563	T3	20040901	ES 2000-900122	20000106
PRA1 AU 1999-8068	A	19990107		
AU 1999-1702	A	19990719		
WO 2000-JP18	W	20000106		

OS MARPAT 133:104964

=> s l12 not l13

L14 1 L12 NOT L13

=> d l14

LI4 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN

AN 2003:221683 CAPLUS

IN 138:238014

TI Preparation of 2-(thiophenyl)thiopyran-1,1-dioxides as MMP or TNF- α inhibitors

IN Neya, Masahiro; Sawada, Akihiko; Ohne, Kazuhiko; Abe, Yoshito; Mizutani, Tsuyoshi; Ishibashi, Naoki; Inoue, Makoto

PA Fujisawa Pharmaceutical Co., Ltd., Japan

SO PCT Int. Appl., 168 pp.

COEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003022842	A1	20030320	WO 2002-JP8895	20020902
W:	AB, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
EP 1423386	A1	20040602	EP 2002-760801	20020902
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK			
FRAL AU 2001-7555	A	20010907		
WO 2002-JP8895	W	20020902		

OS MARPAT 138:238014

RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

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L14 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 2003:221683 CAPLUS

DOCUMENT NUMBER: 138:238014

TITLE: Preparation of 2-(thiophenyl)thiopyran-1,1-dioxides as MMP or TNF- α inhibitors

INVENTOR(S): Neya, Masahiro; Sawada, Akihiko; Ohae, Kazuhiko; Abe, Yoshito; Mizutani, Tsuyoshi; Ishibashi, Naoki; Inoue, Makoto

PATENT ASSIGNEE(S): Fujisawa Pharmaceutical Co., Ltd., Japan

SOURCE: PCT Int. Appl., 168 pp.

CODEN: PIXXD2

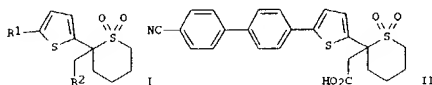
DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003022842	A1	20030320	WO 2002-JP8895	20020902
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MY, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZH, ZM, ZW, AM, AZ, BY, BG, KZ, MD, RU, TJ, TM, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
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R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK				
PRIORITY APPLN. INFO.: AU 2001-7555 A 20010907				
OTHER SOURCE(S): MARPAT 138:238014 W 2002-JP8895 W 20020902				
GI				



AB Title compds. I [wherein R1 = (un)substituted Ph, naphthyl, bicyclic heterocyclyl, alkenyl, or alkynyl; R2 = CO2H or protected CO2H; or a salt thereof] were prepared as matrix metalloproteinase (MMP) or tumor necrosis factor α (TNF- α) inhibitors. For example, coupling of 2-(trimethylsilyl)ethyl (S)-[2-(5-bromothiophen-2-yl)-1,1-dioxo-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetate and 2-(4'-cyano-4-biphenyl)-4,4,5,5-tetramethyl-1,3,2-dioxaborolane followed by deesterification gave II. Five compds. of the invention were tested for gelatinolytic activity

L14 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

against human MMP-9 and displayed inhibitory activity with IC50 values ranging from 1.37 nM to 16.0 nM. Thus, I are useful for treating and/or preventing diseases mediated by MMP or TNF- α (no data).

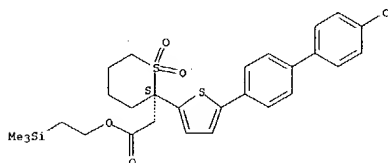
IT 501944-67-89, 2-(Trimethylsilyl)ethyl (S)-[2-(5-(4'-cyano-4-biphenyl)thiophen-2-yl)-1,1-dioxo-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetate 501944-94-1P, 2-(Trimethylsilyl)ethyl (S)-[2-(5-(4-hydroxyphenyl)thiophen-2-yl)-1,1-dioxo-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetate 501944-97-4P, 2-(Trimethylsilyl)ethyl (S)-[2-(5-(3-aminophenyl)thiophen-2-yl)-1,1-dioxo-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetate 501945-63-7P, 4-Methoxybenzyl (S)-[2-(5-(4-butoxyphenyl)thiophen-2-yl)-1,1-dioxo-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetate 501945-68-2P, 4-Methoxybenzyl (S)-[1,1-dioxo-2-[5-(6-methoxymethoxynaphthalen-2-yl)thiophen-2-yl]-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetate 501946-14-1P, 2-(Trimethylsilyl)ethyl (S)-[2-(5-[4-(4-tert-butoxycarbonylamino)phenyl]phenylthiophen-2-yl)-1,1-dioxo-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetate 501946-35-6P, 4-Methoxybenzyl (S)-[1,1-dioxo-2-[5-(4-hydroxyphenyl)thiophen-2-yl]-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetate 501946-57-2P, 2-(Trimethylsilyl)ethyl (S)-[2-(5-[4-(4-aminophenyl)phenyl]thiophen-2-yl)-1,1-dioxo-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetate

RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses) as MMP or TNF- α inhibitor; preparation of (thiophenyl)thiopyrandioxides

RN 501944-67-8 CAPLUS

CN 2H-Thiopyran-2-acetic acid, 2-[5-(4'-cyano[1,1'-biphenyl]-4-yl)-2-thienyl]tetrahydro-, 2-(trimethylsilyl)ethyl ester, 1,1-dioxide, (2S)-(9CI) (CA INDEX NAME)

Absolute stereochemistry.

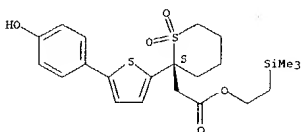


RN 501944-94-1 CAPLUS

CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-(4-hydroxyphenyl)-2-thienyl]-, 2-(trimethylsilyl)ethyl ester, 1,1-dioxide, (2S)-(9CI) (CA INDEX NAME)

Absolute stereochemistry.

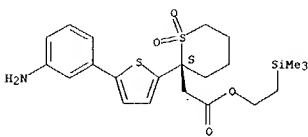
L14 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



RN 501944-97-4 CAPLUS

CN 2H-Thiopyran-2-acetic acid, 2-[5-(3-aminophenyl)-2-thienyl]tetrahydro-, 2-(trimethylsilyl)ethyl ester, 1,1-dioxide, (2S)-(9CI) (CA INDEX NAME)

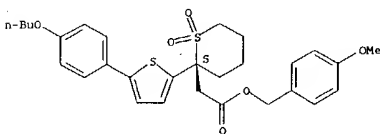
Absolute stereochemistry.



RN 501945-63-7 CAPLUS

CN 2H-Thiopyran-2-acetic acid, 2-[5-(4-butoxyphenyl)-2-thienyl]tetrahydro-, (4-methoxyphenyl)methyl ester, 1,1-dioxide, (2S)-(9CI) (CA INDEX NAME)

Absolute stereochemistry.

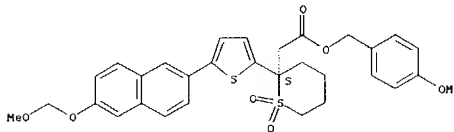


RN 501945-68-2 CAPLUS

CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-(6-(methoxymethoxy)-2-naphthalenyl)-2-thienyl]-, (4-methoxyphenyl)methyl ester, 1,1-dioxide, (2S)-(9CI) (CA INDEX NAME)

Absolute stereochemistry.

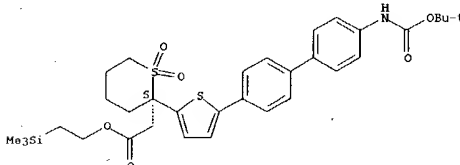
L14 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



RN 501946-14-1 CAPLUS

CN 2H-Thiopyran-2-acetic acid, 2-[5-(4'-[[1,1-dimethylethoxy]carbonyl]amino)[1,1'-biphenyl]-4-yl]-2-thienyl]tetrahydro-, 2-(trimethylsilyl)ethyl ester, 1,1-dioxide, (2S)-(9CI) (CA INDEX NAME)

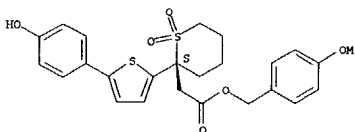
Absolute stereochemistry.



RN 501946-35-6 CAPLUS

CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-(4-hydroxyphenyl)-2-thienyl]-, (4-methoxyphenyl)methyl ester, 1,1-dioxide, (2S)-(9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 501946-57-2 CAPLUS

CN 2H-Thiopyran-2-acetic acid, 2-[5-(4'-amino[1,1'-biphenyl]-4-yl)-2-thienyl]tetrahydro-, 2-(trimethylsilyl)ethyl ester, 1,1-dioxide, (2S)-(9CI) (CA INDEX NAME)

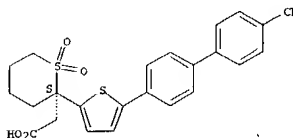
Absolute stereochemistry.

L14 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)
 2-(Trimethylsilyl)ethyl (S)-[2-[5-[4-(4-methylcarbamoylphenyl)phenyl]thiophen-2-yl]-1,1-dioxo-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetate
501946-09-4P, 2-(Trimethylsilyl)ethyl (S)-[2-[5-[4-(4-dimethylcarbamoylphenyl)phenyl]thiophen-2-yl]-1,1-dioxo-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetate **501946-11-8P**,
 (S)-[2-[5-[4-(4-carbamoylphenyl)phenyl]thiophen-2-yl]-1,1-dioxo-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetate **501946-12-9P**,
 2-(Trimethylsilyl)ethyl (S)-[2-[5-[4-(4-methylsulfonylaminocarbonylphenyl)phenyl]thiophen-2-yl]-1,1-dioxo-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetate **501946-12-9P**,
 (S)-[2-[5-[4-(4-hydroxymethylphenyl)phenyl]thiophen-2-yl]-1,1-dioxo-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetic acid **501946-13-0P**, 4-Methoxybenzyl
 (S)-[2-[5-[4-(4-oxazol-5-yl)phenyl]thiophen-2-yl]-1,1-dioxo-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetate **501946-15-2P**,
 4-Methoxybenzyl (S)-[2-[5-[4-(4-tert-butoxycarbonylaminophenyl)phenyl]thiophen-2-yl]-1,1-dioxo-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetate
501946-17-4P, 2-(Trimethylsilyl)ethyl (S)-[2-[5-[4-(4-methylphenyl)phenyl]thiophen-2-yl]-1,1-dioxo-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetate **501946-18-5P**,
 2-(Trimethylsilyl)ethyl (S)-[2-[5-[4-(3-methylphenyl)phenyl]thiophen-2-yl]-1,1-dioxo-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetate **501946-19-6P**,
 2-(Trimethylsilyl)ethyl (S)-[2-[5-[4-(2-methylphenyl)phenyl]thiophen-2-yl]-1,1-dioxo-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetate
501946-20-9P, 2-(Trimethylsilyl)ethyl (S)-[1,1-dioxo-2-[5-[4-(2-phenyltetrazol-5-yl)phenyl]thiophen-2-yl]-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetate **501946-21-0P**, 4-Methoxybenzyl (S)-[2-[5-[4-(E)-2-(oxazol-5-yl)ethenyl]phenyl]thiophen-2-yl]-1,1-dioxo-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetate **501946-22-1P**,
 4-Methoxybenzyl (S)-[2-[5-[4-(oxazol-5-ylmethoxy)phenyl]thiophen-2-yl]-1,1-dioxo-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetate **501946-24-3P**,
 4-Methoxybenzyl (S)-[2-[5-[4-(E)-2-(methylcarbamoyl)ethenyl]phenyl]thiophen-2-yl]-1,1-dioxo-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetate
501946-26-5P, 4-Methoxybenzyl (S)-[2-[5-[4-[(oxazol-5-yl)carbonyl]aminophenyl]thiophen-2-yl]-1,1-dioxo-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetate **501946-28-7P**,
 (S)-[1,1-Dioxo-2-[5-[4-(propylphenyl)thiophen-2-yl]-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetic acid **501946-31-2P**,
 2-(Trimethylsilyl)ethyl (S)-[1,1-dioxo-2-[5-[4-(oxazol-4-yl)phenyl]thiophen-2-yl]-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetate **501946-33-4P**,
 2-(Trimethylsilyl)ethyl (S)-[1,1-dioxo-2-[5-[4-(thiazol-4-yl)phenyl]thiophen-2-yl]-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetate **501946-39-0P**,
 (S)-[1,1-Dioxo-2-[5-[4-(thiophen-2-yl)phenyl]thiophen-2-yl]-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetic acid **501946-44-7P**,
 (S)-[1,1-Dioxo-2-[5-[4-(5-methyl-1,2,4-oxadiazol-3-yl)phenyl]thiophen-2-yl]-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetic acid **501946-46-9P**,
 tert-Butyl (S)-[1,1-dioxo-2-[5-[4-(pyridin-4-yl)phenyl]thiophen-2-yl]-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetate **501946-47-0P**,
 tert-Butyl (S)-[1,1-dioxo-2-[5-[4-(thiophen-3-yl)phenyl]thiophen-2-yl]-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetate **501946-48-1P**,
 tert-Butyl (S)-[1,1-dioxo-2-[5-[4-(thiazol-2-yl)phenyl]thiophen-2-yl]-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetate **501946-50-5P**,
 tert-Butyl (S)-[1,1-dioxo-2-[5-[4-(pyridin-3-yl)phenyl]thiophen-2-yl]-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetate **501946-52-7P**,
 tert-Butyl (S)-[1,1-dioxo-2-[5-[4-(pyridin-2-yl)phenyl]thiophen-2-yl]-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetate **501946-53-0P**,
 2-(Trimethylsilyl)ethyl (S)-[2-[5-[4-(3-cyanophenyl)phenyl]thiophen-2-yl]-1,1-dioxo-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetate

L14 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)
 1,1-dioxo-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetate **501946-61-8P**, 2-(Trimethylsilyl)ethyl (S)-[2-[5-[4-(4-acetamidophenyl)phenyl]thiophen-2-yl]-1,1-dioxo-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetate **501946-63-0P**,
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 2-(Trimethylsilyl)ethyl (S)-[2-[5-[4-(4-methylsulfonylaminophenyl)phenyl]thiophen-2-yl]-1,1-dioxo-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetate **501946-66-3P**,
 2-(Trimethylsilyl)ethyl (S)-[2-[5-[4-(4-methoxycarbonylaminophenyl)phenyl]thiophen-2-yl]-1,1-dioxo-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetate **501946-67-4P**,
 4-Methoxybenzyl (S)-[1,1-dioxo-2-[5-[4-(pentyloxyphenyl)thiophen-2-yl]-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetate **501946-69-6P**,
 4-Methoxybenzyl (S)-[1,1-dioxo-2-[5-[4-(1-methylthioxy)phenyl]thiophen-2-yl]-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetate **501946-95-8P**,
 2-(Trimethylsilyl)ethyl (S)-[2-[5-[4-(4-dimethylaminophenyl)phenyl]thiophen-2-yl]-1,1-dioxo-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetate **501946-97-0P**,
 (S)-[2-[5-[4-(4-ethoxyphenyl)thiophen-2-yl]-1,1-dioxo-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]acetic acid
 RI: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (MMP or TNF- α inhibitors; prepn. of (thiophenyl)thiopyrandioxides as MMP or TNF- α inhibitors)

RN 501944-68-9 CAPLUS
 CN 2H-Thiopyran-2-acetic acid, 2-[5-(4'-cyano[1,1'-biphenyl]-4-yl)-2-thienyl]tetrahydro-, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

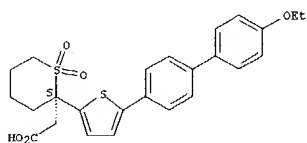
Absolute stereochemistry.



RN 501944-69-0 CAPLUS
 CN 2H-Thiopyran-2-acetic acid, 2-[5-(4'-ethoxy[1,1'-biphenyl]-4-yl)-2-thienyl]tetrahydro-, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

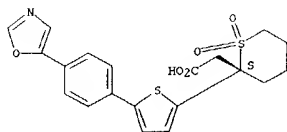
Absolute stereochemistry.

L14 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



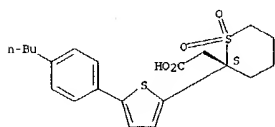
RN 501944-70-3 CAPLUS
 CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-(4-(5-oxazolyl)phenyl)-2-thienyl]-, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 501944-71-4 CAPLUS
 CN 2H-Thiopyran-2-acetic acid, 2-[5-(4-butylphenyl)-2-thienyl]tetrahydro-, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

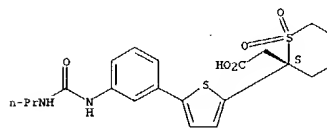
Absolute stereochemistry.



RN 501944-72-5 CAPLUS
 CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-(3-[(propylamino)carbonyl]aminophenyl)-2-thienyl]-, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

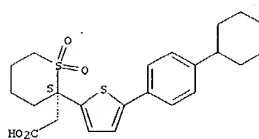
Absolute stereochemistry.

L14 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



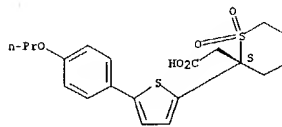
RN 501944-73-6 CAPLUS
 CN 2H-Thiopyran-2-acetic acid, 2-[5-(4-cyclohexylphenyl)-2-thienyl]tetrahydro-, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 501944-76-9 CAPLUS
 CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-(4-propoxyphenyl)-2-thienyl]-, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

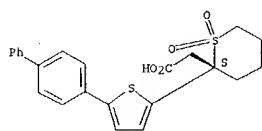
Absolute stereochemistry.



RN 501944-77-0 CAPLUS
 CN 2H-Thiopyran-2-acetic acid, 2-[5-(1,1'-biphenyl)-4-yl]-2-thienyl]tetrahydro-, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

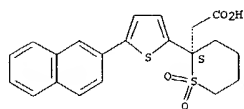
Absolute stereochemistry.

L14 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



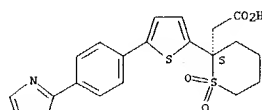
RN 501944-78-1 CAPLUS
CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-(2-naphthalenyl)-2-thienyl]-, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 501944-80-5 CAPLUS
CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-[4-(2-oxazolyl)phenyl]-2-thienyl]-, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

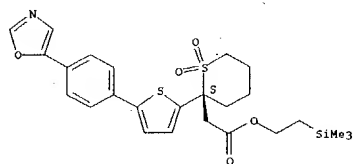
Absolute stereochemistry.



RN 501944-84-9 CAPLUS
CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-(4-pentylphenyl)-2-thienyl]-, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

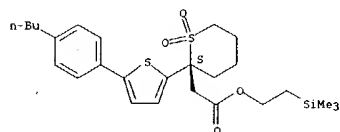
Absolute stereochemistry.

L14 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



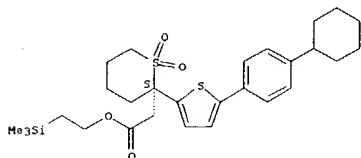
RN 501944-91-8 CAPLUS
CN 2H-Thiopyran-2-acetic acid, 2-[5-(4-butylphenyl)-2-thienyl]tetrahydro-, 2-(trimethylsilyl)ethyl ester, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 501944-92-9 CAPLUS
CN 2H-Thiopyran-2-acetic acid, 2-[5-(4-cyclohexylphenyl)-2-thienyl]tetrahydro-, 2-(trimethylsilyl)ethyl ester, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

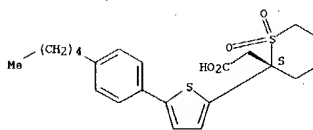
Absolute stereochemistry.



RN 501944-95-2 CAPLUS
CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-[4-(propoxyphenyl)-2-thienyl]tetrahydro-, 2-(trimethylsilyl)ethyl ester, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

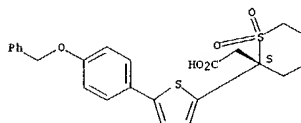
Absolute stereochemistry.

L14 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



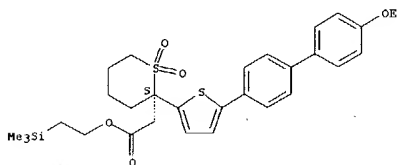
RN 501944-86-1 CAPLUS
CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-[4-(phenylmethoxy)phenyl]-2-thienyl]-, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 501944-89-4 CAPLUS
CN 2H-Thiopyran-2-acetic acid, 2-[5-(4'-ethoxy[1,1'-biphenyl]-4-yl)-2-thienyl]tetrahydro-, 2-(trimethylsilyl)ethyl ester, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

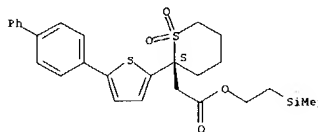
Absolute stereochemistry.



RN 501944-90-7 CAPLUS
CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-[4-(5-oxazolyl)phenyl]-2-thienyl]-, 2-(trimethylsilyl)ethyl ester, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

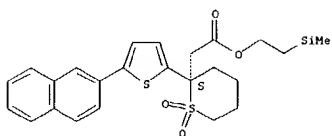
Absolute stereochemistry.

L14 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



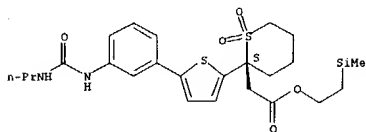
RN 501944-96-3 CAPLUS
CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-(2-naphthalenyl)-2-thienyl]-, 2-(trimethylsilyl)ethyl ester, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 501945-00-2 CAPLUS
CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-[3-[[[propylamino]carbonyl]amino]phenyl]-2-thienyl]-, 2-(trimethylsilyl)ethyl ester, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

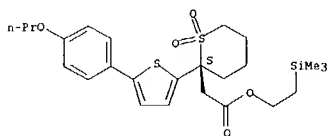
Absolute stereochemistry.



RN 501945-01-3 CAPLUS
CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-(4-propoxyphenyl)-2-thienyl]-, 2-(trimethylsilyl)ethyl ester, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

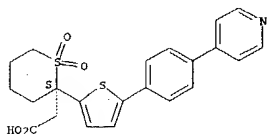
Absolute stereochemistry.

L14 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



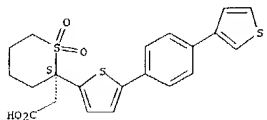
RN 501945-02-4 CAPLUS
CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-[4-(4-pyridinyl)phenyl]-2-thienyl]-, 1,1-dioxide, (2S)-(9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 501945-03-5 CAPLUS
CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-[4-(3-thienyl)phenyl]-2-thienyl]-, 1,1-dioxide, (2S)-(9CI) (CA INDEX NAME)

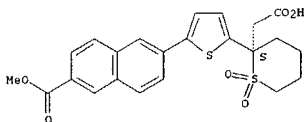
Absolute stereochemistry.



RN 501945-04-6 CAPLUS
CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-[4-(2-thiazolyl)phenyl]-2-thienyl]-, 1,1-dioxide, (2S)-(9CI) (CA INDEX NAME)

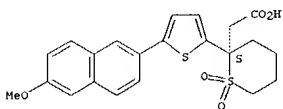
Absolute stereochemistry.

L14 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



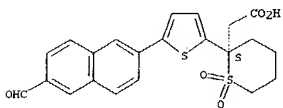
RN 501945-09-1 CAPLUS
CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-[6-(methoxy-2-naphthalenyl)-2-thienyl]-, 1,1-dioxide, (2S)-(9CI) (CA INDEX NAME)

Absolute stereochemistry.



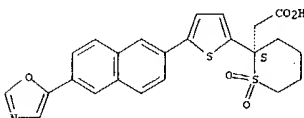
RN 501945-10-4 CAPLUS
CN 2H-Thiopyran-2-acetic acid, 2-[5-[6-(6-formyl-2-naphthalenyl)-2-thienyl]tetrahydro-, 1,1-dioxide, (2S)-(9CI) (CA INDEX NAME)

Absolute stereochemistry.

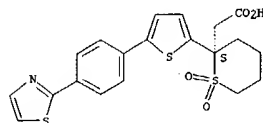


RN 501945-11-5 CAPLUS
CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-[6-(5-oxazolyl)-2-naphthalenyl]-2-thienyl]-, 1,1-dioxide, (2S)-(9CI) (CA INDEX NAME)

Absolute stereochemistry.

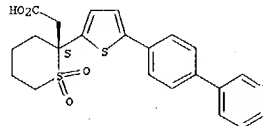


L14 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



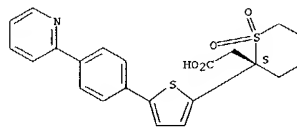
RN 501945-05-7 CAPLUS
CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-[4-(3-pyridinyl)phenyl]-2-thienyl]-, 1,1-dioxide, (2S)-(9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 501945-06-8 CAPLUS
CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-[4-(2-pyridinyl)phenyl]-2-thienyl]-, 1,1-dioxide, (2S)-(9CI) (CA INDEX NAME)

Absolute stereochemistry.



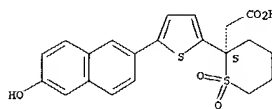
RN 501945-08-0 CAPLUS
CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-[6-(methoxycarbonyl)-2-naphthalenyl]-2-thienyl]-, 1,1-dioxide, (2S)-(9CI) (CA INDEX NAME)

Absolute stereochemistry.

L14 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

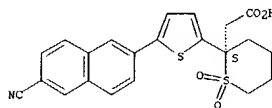
RN 501945-12-6 CAPLUS
CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-[6-(6-hydroxy-2-naphthalenyl)-2-thienyl]-, 1,1-dioxide, (2S)-(9CI) (CA INDEX NAME)

Absolute stereochemistry.



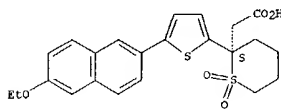
RN 501945-15-9 CAPLUS
CN 2H-Thiopyran-2-acetic acid, 2-[5-[6-(6-cyano-2-naphthalenyl)-2-thienyl]tetrahydro-, 1,1-dioxide, (2S)-(9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 501945-16-0 CAPLUS
CN 2H-Thiopyran-2-acetic acid, 2-[5-[6-(6-ethoxy-2-naphthalenyl)-2-thienyl]tetrahydro-, 1,1-dioxide, (2S)-(9CI) (CA INDEX NAME)

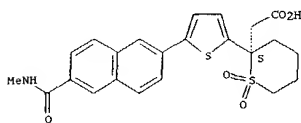
Absolute stereochemistry.



RN 501945-22-8 CAPLUS
CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-[6-[(methylamino)carbonyl]-2-naphthalenyl]-2-thienyl]-, 1,1-dioxide, (2S)-(9CI) (CA INDEX NAME)

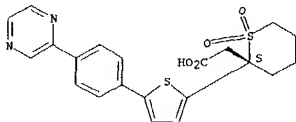
Absolute stereochemistry.

L14 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



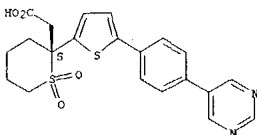
RN 501945-23-9 CAPLUS
CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-(4-pyrazinylphenyl)-2-thienyl]-, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 501945-24-0 CAPLUS
CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-(4-(5-pyrimidinyl)phenyl)-2-thienyl]-, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

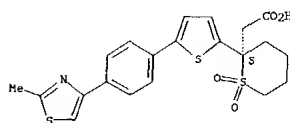
Absolute stereochemistry.



RN 501945-25-1 CAPLUS
CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-(4-(2-methyl-5-thiazolyl)phenyl)-2-thienyl]-, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

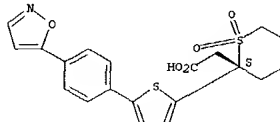
Absolute stereochemistry.

L14 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



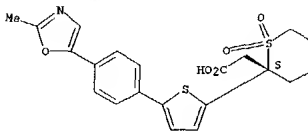
RN 501945-26-2 CAPLUS
CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-(4-(5-isoxazolyl)phenyl)-2-thienyl]-, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 501945-27-3 CAPLUS
CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-(4-(2-methyl-5-oxazolyl)phenyl)-2-thienyl]-, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

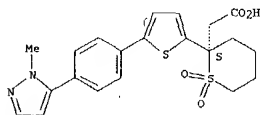
Absolute stereochemistry.



RN 501945-28-4 CAPLUS
CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-(4-(1-methyl-1H-pyrazol-5-yl)phenyl)-2-thienyl]-, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

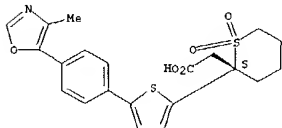
Absolute stereochemistry.

L14 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



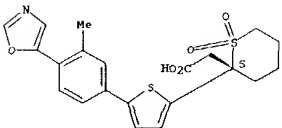
RN 501945-30-8 CAPLUS
CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-(4-(4-methyl-5-oxazolyl)phenyl)-2-thienyl]-, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 501945-31-9 CAPLUS
CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-(3-methyl-4-(5-oxazolyl)phenyl)-2-thienyl]-, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

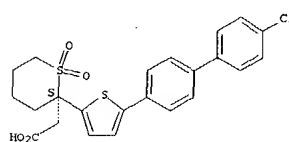
Absolute stereochemistry.



RN 501945-32-0 CAPLUS
CN 2H-Thiopyran-2-acetic acid, 2-[5-(4'-chloro[1,1'-biphenyl]-4-yl)-2-thienyl]tetrahydro-, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

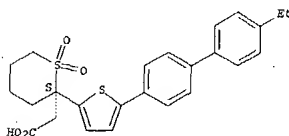
Absolute stereochemistry.

L14 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



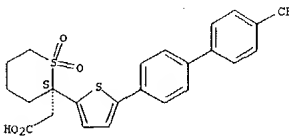
RN 501945-33-1 CAPLUS
CN 2H-Thiopyran-2-acetic acid, 2-[5-(4'-ethyl[1,1'-biphenyl]-4-yl)-2-thienyl]tetrahydro-, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 501945-34-2 CAPLUS
CN 2H-Thiopyran-2-acetic acid, 2-[5-(4'-(trifluoromethyl)[1,1'-biphenyl]-4-yl)-2-thienyl]-, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

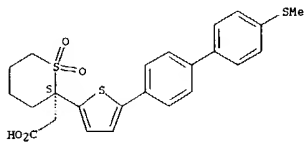
Absolute stereochemistry.



RN 501945-35-3 CAPLUS
CN 2H-Thiopyran-2-acetic acid, 2-[5-(4'-(methylthio)[1,1'-biphenyl]-4-yl)-2-thienyl]-, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

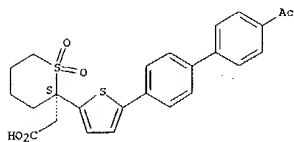
Absolute stereochemistry.

L14 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



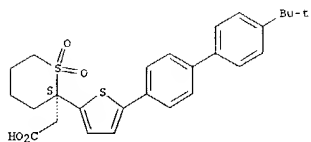
RN 501945-36-4 CAPLUS
 CN 2H-Thiopyran-2-acetic acid, 2-[5-(4'-acetyl[1,1'-biphenyl]-4-yl)-2-thienyl]tetrahydro-, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 501945-37-5 CAPLUS
 CN 2H-Thiopyran-2-acetic acid, 2-[5-(4'-(1,1-dimethylethyl)[1,1'-biphenyl]-4-yl)-2-thienyl]tetrahydro-, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

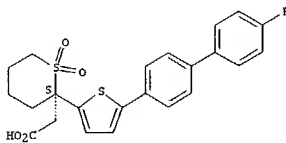
Absolute stereochemistry.



RN 501945-38-6 CAPLUS
 CN 2H-Thiopyran-2-acetic acid, 2-[5-(4'-fluoro[1,1'-biphenyl]-4-yl)-2-thienyl]tetrahydro-, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

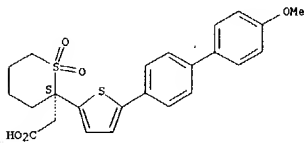
Absolute stereochemistry.

L14 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



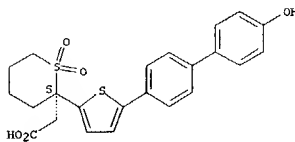
RN 501945-39-7 CAPLUS
 CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-(4'-methoxy[1,1'-biphenyl]-4-yl)-2-thienyl]-, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 501945-40-0 CAPLUS
 CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-(4'-hydroxy[1,1'-biphenyl]-4-yl)-2-thienyl]-, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

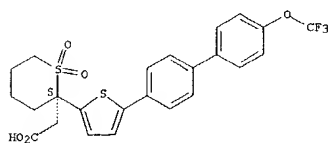
Absolute stereochemistry.



RN 501945-41-1 CAPLUS
 CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-(4'-(trifluoromethoxy)[1,1'-biphenyl]-4-yl)-2-thienyl]-, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

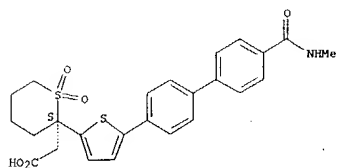
Absolute stereochemistry.

L14 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



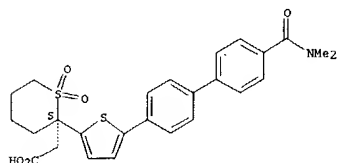
RN 501945-42-2 CAPLUS
 CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-(4'-[(methylamino)carbonyl][1,1'-biphenyl]-4-yl)-2-thienyl]-, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 501945-43-3 CAPLUS
 CN 2H-Thiopyran-2-acetic acid, 2-[5-(4'-[(dimethylamino)carbonyl][1,1'-biphenyl]-4-yl)-2-thienyl]tetrahydro-, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

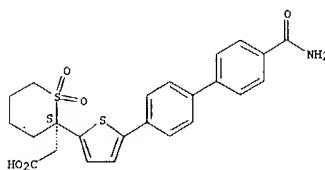
Absolute stereochemistry.



RN 501945-44-4 CAPLUS
 CN 2H-Thiopyran-2-acetic acid, 2-[5-(4'-[(aminocarbonyl][1,1'-biphenyl]-4-yl)-2-thienyl]tetrahydro-, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

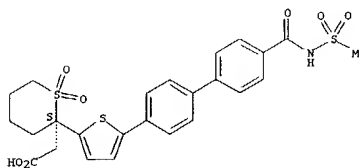
Absolute stereochemistry.

L14 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



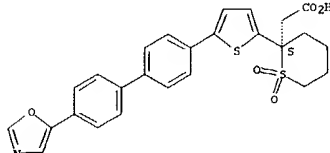
RN 501945-45-5 CAPLUS
 CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-(4'-[(methylsulfonyl)amino]carbonyl[1,1'-biphenyl]-4-yl)-2-thienyl]-, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 501945-46-6 CAPLUS
 CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-(4'-[(5-oxazolyl)[1,1'-biphenyl]-4-yl)-2-thienyl]-, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

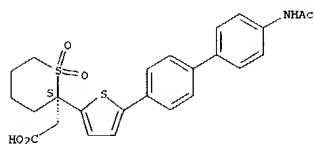
Absolute stereochemistry.



RN 501945-47-7 CAPLUS
 CN 2H-Thiopyran-2-acetic acid, 2-[5-(4'-[(acetylamino)[1,1'-biphenyl]-4-yl)-2-thienyl]tetrahydro-, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

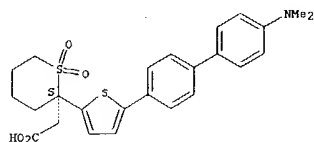
Absolute stereochemistry.

L14 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



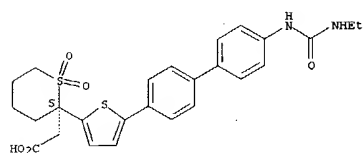
RN 501945-48-8 CAPLUS
CN 2H-Thiopyran-2-acetic acid, 2-[5-[4'-(dimethylamino)[1,1'-biphenyl]-4-yl]-2-thienyl]tetrahydro-, 1,1-dioxide, (2S)-(9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 501945-49-9 CAPLUS
CN 2H-Thiopyran-2-acetic acid, 2-[5-[4'-[(ethylamino)carbonyl]amino][1,1'-biphenyl]-4-yl]-2-thienyl]tetrahydro-, 1,1-dioxide, (2S)-(9CI) (CA INDEX NAME)

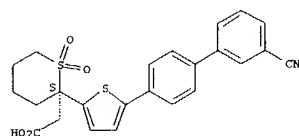
Absolute stereochemistry.



RN 501945-50-2 CAPLUS
CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-[4'-(methylsulfonyl)amino][1,1'-biphenyl]-4-yl]-2-thienyl]-, 1,1-dioxide, (2S)-(9CI) (CA INDEX NAME)

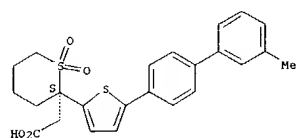
L14 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

Absolute stereochemistry.



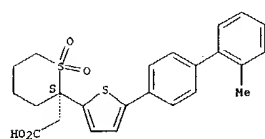
RN 501945-54-6 CAPLUS
CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-[3'-methyl[1,1'-biphenyl]-4-yl]-2-thienyl]-, 1,1-dioxide, (2S)-(9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 501945-55-7 CAPLUS
CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-[4-(2-phenyl-2H-tetrazol-5-yl)phenyl]-2-thienyl]-, 1,1-dioxide, (2S)-(9CI) (CA INDEX NAME)

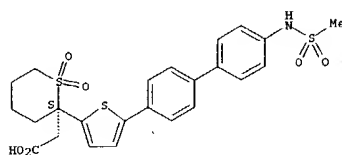
Absolute stereochemistry.



RN 501945-56-8 CAPLUS
CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-[4-(2-phenyl-2H-tetrazol-5-yl)phenyl]-2-thienyl]-, 1,1-dioxide, (2S)-(9CI) (CA INDEX NAME)

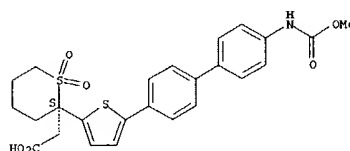
Absolute stereochemistry.

L14 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)
Absolute stereochemistry.



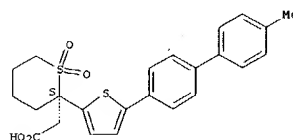
RN 501945-51-3 CAPLUS
CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-[4'-(methoxycarbonyl)amino][1,1'-biphenyl]-4-yl]-2-thienyl]-, 1,1-dioxide, (2S)-(9CI) (CA INDEX NAME)

Absolute stereochemistry.



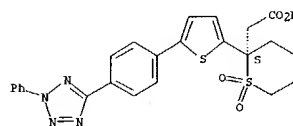
RN 501945-52-4 CAPLUS
CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-[4'-(methoxycarbonyl)amino][1,1'-biphenyl]-4-yl]-2-thienyl]-, 1,1-dioxide, (2S)-(9CI) (CA INDEX NAME)

Absolute stereochemistry.



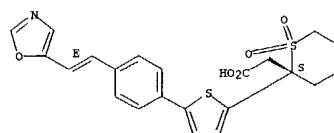
RN 501945-53-5 CAPLUS
CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-[4'-(methyl)amino][1,1'-biphenyl]-4-yl]-2-thienyl]-, 1,1-dioxide, (2S)-(9CI) (CA INDEX NAME)

L14 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



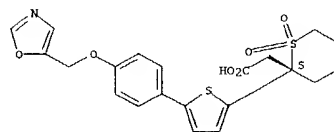
RN 501945-57-9 CAPLUS
CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-[4'-(1H-tetrazol-5-yl)phenyl]-2-thienyl]-, 1,1-dioxide, (2S)-(9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry as shown.



RN 501945-58-0 CAPLUS
CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-[4'-(1H-tetrazol-5-yl)phenyl]-2-thienyl]-, 1,1-dioxide, (2S)-(9CI) (CA INDEX NAME)

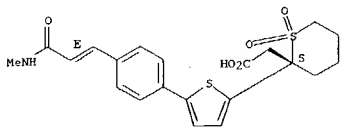
Absolute stereochemistry.



RN 501945-59-1 CAPLUS
CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-[4'-(1H-tetrazol-5-yl)phenyl]-2-thienyl]-, 1,1-dioxide, (2S)-(9CI) (CA INDEX NAME)

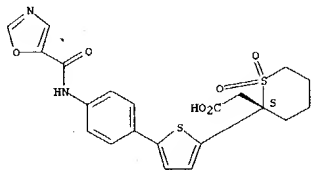
Absolute stereochemistry.
Double bond geometry as shown.

L14 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



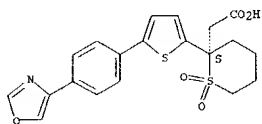
RN 501945-60-4 CAPLUS
CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-[4-[(5-oxazolylcarbonyl)amino]phenyl]-2-thienyl]-, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 501945-61-5 CAPLUS
CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-[4-(4-oxazolyl)phenyl]-2-thienyl]-, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

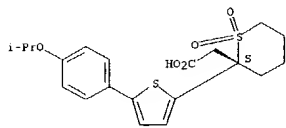
Absolute stereochemistry.



RN 501945-62-6 CAPLUS
CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-[4-(4-thiazolyl)phenyl]-2-thienyl]-, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

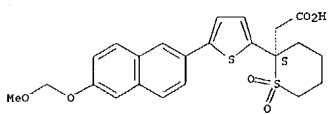
Absolute stereochemistry.

L14 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



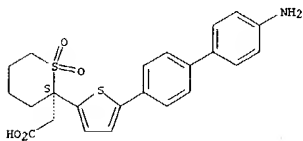
RN 501945-69-3 CAPLUS
CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-[6-(methoxymethoxy)-2-naphthalenyl]-2-thienyl]-, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 501945-70-6 CAPLUS
CN 2H-Thiopyran-2-acetic acid, 2-[5-(4'-amino[1,1'-biphenyl]-4-yl)-2-thienyl]tetrahydro-, 1,1-dioxide, hydrochloride, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

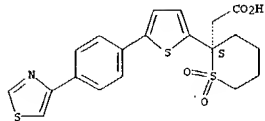


● HCl

RN 501945-73-9 CAPLUS
CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-[6-(methoxycarbonyl)-2-naphthalenyl]-2-thienyl]-, 2-(trimethylsilyl)ethyl ester, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

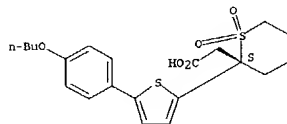
Absolute stereochemistry.

L14 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



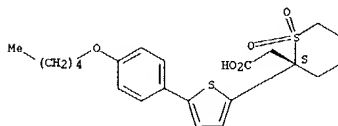
RN 501945-64-8 CAPLUS
CN 2H-Thiopyran-2-acetic acid, 2-[5-(4-butoxyphenyl)-2-thienyl]tetrahydro-, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 501945-65-9 CAPLUS
CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-[4-(pentyloxy)phenyl]-2-thienyl]-, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

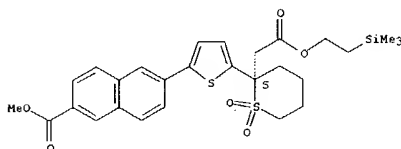
Absolute stereochemistry.



RN 501945-66-0 CAPLUS
CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-[4-(1-methylethoxy)phenyl]-2-thienyl]-, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

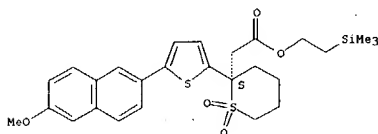
Absolute stereochemistry.

L14 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



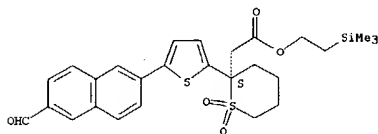
RN 501945-74-0 CAPLUS
CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-(6-methoxy-2-naphthalenyl)-2-thienyl]-, 2-(trimethylsilyl)ethyl ester, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 501945-75-1 CAPLUS
CN 2H-Thiopyran-2-acetic acid, 2-[5-(6-formyl-2-naphthalenyl)-2-thienyl]tetrahydro-, 2-(trimethylsilyl)ethyl ester, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

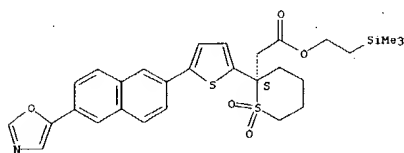
Absolute stereochemistry.



RN 501945-76-2 CAPLUS
CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-[6-(5-oxazolyl)-2-naphthalenyl]-2-thienyl]-, 2-(trimethylsilyl)ethyl ester, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

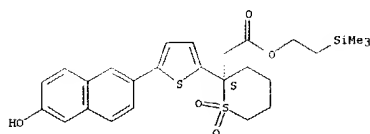
Absolute stereochemistry.

L14 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



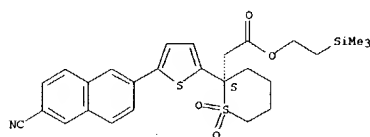
RN 501945-77-3 CAPLUS
 CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-(6-hydroxy-2-naphthalenyl)-2-thienyl]-, 2-(trimethylsilyl)ethyl ester, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 501945-79-5 CAPLUS
 CN 2H-Thiopyran-2-acetic acid, 2-[5-(6-cyano-2-naphthalenyl)-2-thienyl]tetrahydro-, 2-(trimethylsilyl)ethyl ester, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

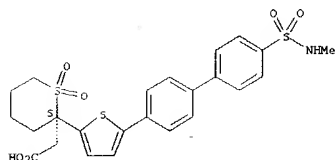


RN 501945-80-8 CAPLUS
 CN 2H-Thiopyran-2-acetic acid, 2-[5-(6-ethoxy-2-naphthalenyl)-2-thienyl]tetrahydro-, 2-(trimethylsilyl)ethyl ester, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

L14 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

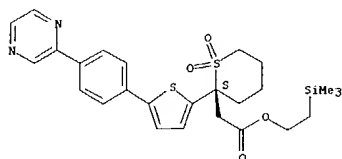
CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-[4'-(methoxyamino)sulfonyl][1,1'-biphenyl]-4-yl]-2-thienyl]-, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



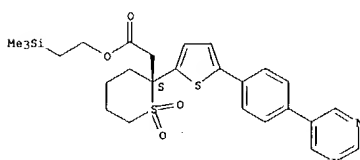
RN 501945-90-0 CAPLUS
 CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-(4-pyrazinylphenyl)-2-thienyl]-, 2-(trimethylsilyl)ethyl ester, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 501945-91-1 CAPLUS
 CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-[4-(5-pyrimidinyl)phenyl]-2-thienyl]-, 2-(trimethylsilyl)ethyl ester, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

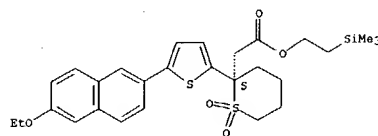
Absolute stereochemistry.



RN 501945-92-2 CAPLUS

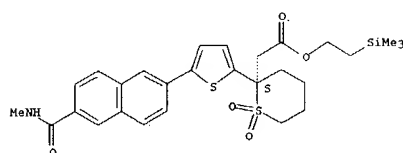
L14 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

Absolute stereochemistry.



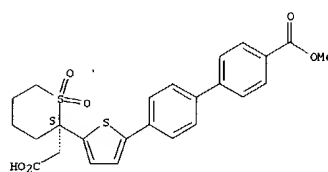
RN 501945-86-4 CAPLUS
 CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-[6-[(methoxyamino)carbonyl]-2-naphthalenyl]-2-thienyl]-, 2-(trimethylsilyl)ethyl ester, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 501945-87-5 CAPLUS
 CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-[4'-(methoxycarbonyl)[1,1'-biphenyl]-4-yl]-2-thienyl]-, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

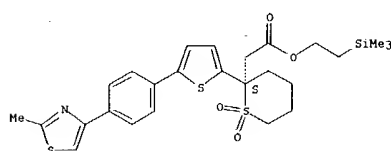


RN 501945-89-7 CAPLUS

L14 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

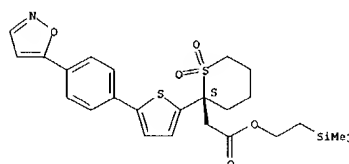
CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-[4-(2-methyl-4-thiazolyl)phenyl]-2-thienyl]-, 2-(trimethylsilyl)ethyl ester, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



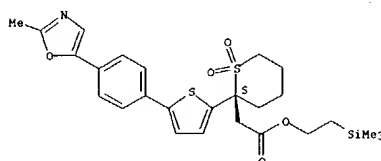
RN 501945-93-3 CAPLUS
 CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-[4-(5-isoxazolyl)phenyl]-2-thienyl]-, 2-(trimethylsilyl)ethyl ester, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 501945-94-4 CAPLUS
 CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-[4-(2-methyl-5-oxazolyl)phenyl]-2-thienyl]-, 2-(trimethylsilyl)ethyl ester, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

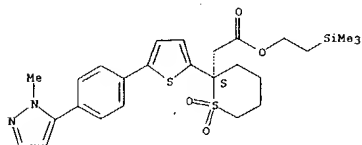


L14 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

RN 501945-95-5 CAPLUS

CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-[4-(1-methyl-1H-pyrazol-5-yl)phenyl]-2-thienyl]-, 2-(trimethylsilyl)ethyl ester, 1,1-dioxide, (2S)-(9CI) (CA INDEX NAME)

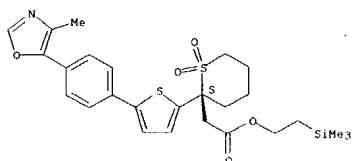
Absolute stereochemistry.



RN 501945-96-6 CAPLUS

CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-[4-(4-methyl-5-oxazolyl)phenyl]-2-thienyl]-, 2-(trimethylsilyl)ethyl ester, 1,1-dioxide, (2S)-(9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 501945-97-7 CAPLUS

CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-[3-methyl-4-(5-oxazolyl)phenyl]-2-thienyl]-, 2-(trimethylsilyl)ethyl ester, 1,1-dioxide, (2S)-(9CI) (CA INDEX NAME)

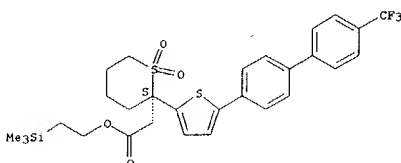
Absolute stereochemistry.

L14 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

RN 501946-00-5 CAPLUS

CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-[4-(trifluoromethyl)[1,1'-biphenyl]-4-yl]-2-thienyl]-, 2-(trimethylsilyl)ethyl ester, 1,1-dioxide, (2S)-(9CI) (CA INDEX NAME)

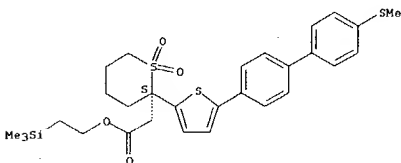
Absolute stereochemistry.



RN 501946-01-6 CAPLUS

CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-[4'-(methylthio)[1,1'-biphenyl]-4-yl]-2-thienyl]-, 2-(trimethylsilyl)ethyl ester, 1,1-dioxide, (2S)-(9CI) (CA INDEX NAME)

Absolute stereochemistry.

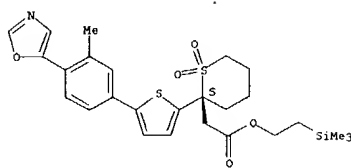


RN 501946-02-7 CAPLUS

CN 2H-Thiopyran-2-acetic acid, 2-[5-[4'-acetyl[1,1'-biphenyl]-4-yl]-2-thienyl]tetrahydro-, 2-(trimethylsilyl)ethyl ester, 1,1-dioxide, (2S)-(9CI) (CA INDEX NAME)

Absolute stereochemistry.

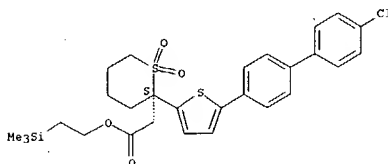
L14 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



RN 501945-98-8 CAPLUS

CN 2H-Thiopyran-2-acetic acid, 2-[5-(4'-chloro[1,1'-biphenyl]-4-yl)-2-thienyl]tetrahydro-, 2-(trimethylsilyl)ethyl ester, 1,1-dioxide, (2S)-(9CI) (CA INDEX NAME)

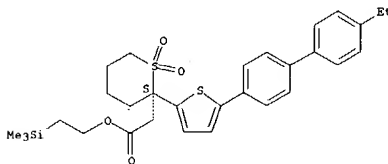
Absolute stereochemistry.



RN 501945-99-9 CAPLUS

CN 2H-Thiopyran-2-acetic acid, 2-[5-(4'-ethyl[1,1'-biphenyl]-4-yl)-2-thienyl]tetrahydro-, 2-(trimethylsilyl)ethyl ester, 1,1-dioxide, (2S)-(9CI) (CA INDEX NAME)

Absolute stereochemistry.

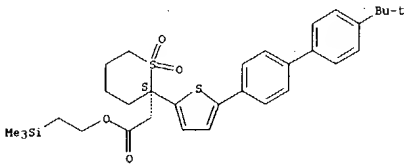


L14 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

RN 501946-03-8 CAPLUS

CN 2H-Thiopyran-2-acetic acid, 2-[5-(4'-(1,1-dimethylethyl)[1,1'-biphenyl]-4-yl)-2-thienyl]tetrahydro-, 2-(trimethylsilyl)ethyl ester, 1,1-dioxide, (2S)-(9CI) (CA INDEX NAME)

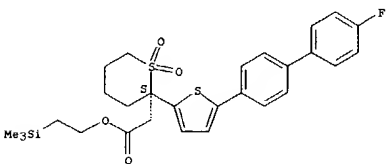
Absolute stereochemistry.



RN 501946-04-9 CAPLUS

CN 2H-Thiopyran-2-acetic acid, 2-[5-(4'-fluoro[1,1'-biphenyl]-4-yl)-2-thienyl]tetrahydro-, 2-(trimethylsilyl)ethyl ester, 1,1-dioxide, (2S)-(9CI) (CA INDEX NAME)

Absolute stereochemistry.

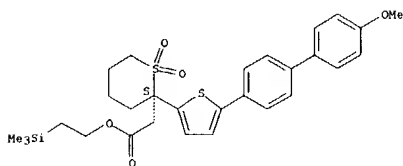


RN 501946-05-0 CAPLUS

CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-(4'-methoxy[1,1'-biphenyl]-4-yl)-2-thienyl]-, 2-(trimethylsilyl)ethyl ester, 1,1-dioxide, (2S)-(9CI)

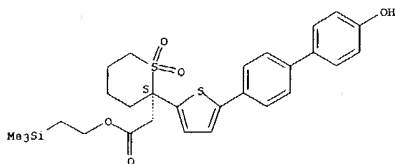
L14 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)
(CA INDEX NAME)

Absolute stereochemistry.



RN 501946-06-1 CAPLUS
CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-(4'-hydroxy[1,1'-biphenyl]-4-yl)-2-thienyl]-, 2-(trimethylsilyl)ethyl ester, 1,1-dioxide, (2S)-(9CI) (CA INDEX NAME)

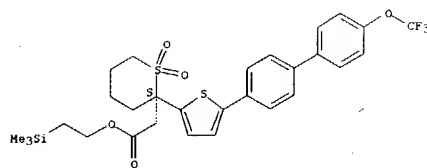
Absolute stereochemistry.



RN 501946-07-2 CAPLUS
CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-(4'-(trifluoromethoxy)[1,1'-biphenyl]-4-yl)-2-thienyl]-, 2-(trimethylsilyl)ethyl ester, 1,1-dioxide, (2S)-(9CI) (CA INDEX NAME)

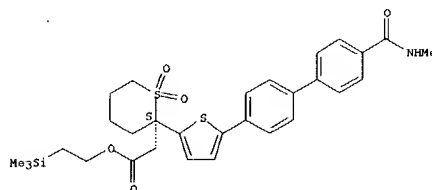
Absolute stereochemistry.

L14 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



RN 501946-08-3 CAPLUS
CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-(4'-(trifluoromethoxy)[1,1'-biphenyl]-4-yl)-2-thienyl]-, 2-(trimethylsilyl)ethyl ester, 1,1-dioxide, (2S)-(9CI) (CA INDEX NAME)

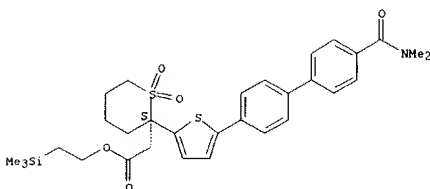
Absolute stereochemistry.



RN 501946-09-4 CAPLUS
CN 2H-Thiopyran-2-acetic acid, 2-[5-(4'-[(dimethylamino)carbonyl][1,1'-biphenyl]-4-yl)-2-thienyl]tetrahydro-, 2-(trimethylsilyl)ethyl ester, 1,1-dioxide, (2S)-(9CI) (CA INDEX NAME)

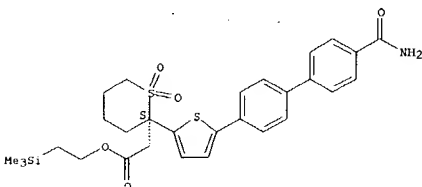
Absolute stereochemistry.

L14 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



RN 501946-10-7 CAPLUS
CN 2H-Thiopyran-2-acetic acid, 2-[5-(4'-(aminocarbonyl)[1,1'-biphenyl]-4-yl)-2-thienyl]tetrahydro-, 2-(trimethylsilyl)ethyl ester, 1,1-dioxide, (2S)-(9CI) (CA INDEX NAME)

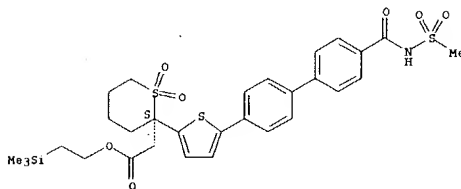
Absolute stereochemistry.



RN 501946-11-8 CAPLUS
CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-(4'-[(methylsulfonyl)amino]carbonyl)[1,1'-biphenyl]-4-yl)-2-thienyl]-, 2-(trimethylsilyl)ethyl ester, 1,1-dioxide, (2S)-(9CI) (CA INDEX NAME)

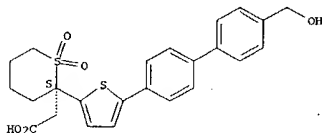
Absolute stereochemistry.

L14 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



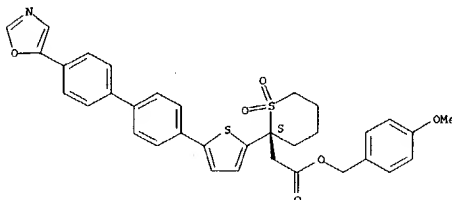
RN 501946-12-9 CAPLUS
CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-(4'-(hydroxymethyl)[1,1'-biphenyl]-4-yl)-2-thienyl]-, 1,1-dioxide, (2S)-(9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 501946-13-0 CAPLUS
CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-(4'-(5-oxazolyl)[1,1'-biphenyl]-4-yl)-2-thienyl]-, (4-methoxyphenyl)methyl ester, 1,1-dioxide, (2S)-(9CI) (CA INDEX NAME)

Absolute stereochemistry.

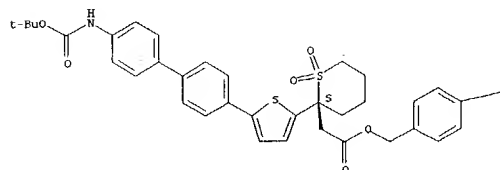


RN 501946-15-2 CAPLUS

L14 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)
 CN 2H-Thiopyran-2-acetic acid, 2-[5-(4'-[(1,1-dimethylethoxy)carbonyl]amino)
 [1,1'-biphenyl]-4-yl]-2-thienyl]tetrahydro-, (4-methoxyphenyl)methyl
 ester, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A

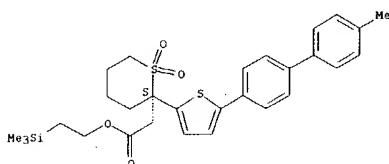


PAGE 1-B

OMe

RN 501946-17-4 CAPLUS
 CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-(4'-methyl[1,1'-biphenyl]-4-
 yl)-2-thienyl]-, 2-(trimethylsilyl)ethyl ester, 1,1-dioxide, (2S)- (9CI)
 (CA INDEX NAME)

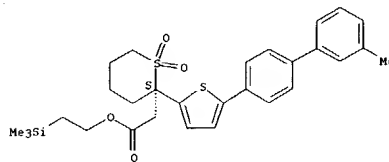
Absolute stereochemistry.



RN 501946-18-5 CAPLUS
 CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-(3'-methyl[1,1'-biphenyl]-4-

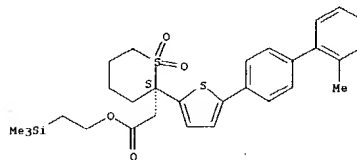
L14 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)
 yl)-2-thienyl]-, 2-(trimethylsilyl)ethyl ester, 1,1-dioxide, (2S)- (9CI)
 (CA INDEX NAME)

Absolute stereochemistry.



RN 501946-19-6 CAPLUS
 CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-(2'-methyl[1,1'-biphenyl]-4-
 yl)-2-thienyl]-, 2-(trimethylsilyl)ethyl ester, 1,1-dioxide, (2S)- (9CI)
 (CA INDEX NAME)

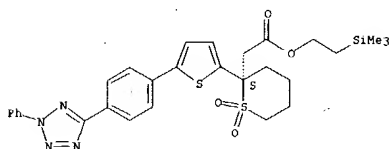
Absolute stereochemistry.



RN 501946-20-9 CAPLUS
 CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-(4-(2-phenyl-2H-tetrazol-5-
 yl)phenyl)-2-thienyl]-, 2-(trimethylsilyl)ethyl ester, 1,1-dioxide, (2S)-
 (9CI) (CA INDEX NAME)

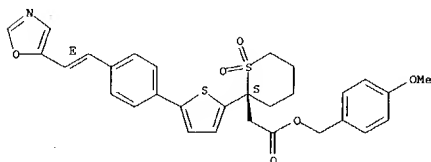
Absolute stereochemistry.

L14 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



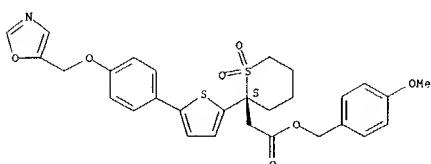
RN 501946-21-0 CAPLUS
 CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-(4-[(1E)-2-(5-
 oxazolyl)ethenyl]phenyl)-2-thienyl]-, (4-methoxyphenyl)methyl ester,
 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
 Double bond geometry as shown.



RN 501946-22-1 CAPLUS
 CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-(4-(5-oxazolylmethoxy)phenyl)-
 2-thienyl]-, (4-methoxyphenyl)methyl ester, 1,1-dioxide, (2S)- (9CI) (CA
 INDEX NAME)

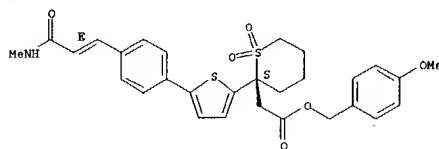
Absolute stereochemistry.



RN 501946-24-3 CAPLUS
 CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-(4-[(1E)-3-(methylamino)-3-oxo-
 1-propenyl]phenyl)-2-thienyl]-, (4-methoxyphenyl)methyl ester,

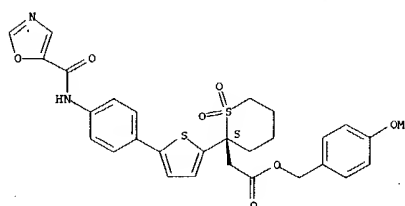
L14 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)
 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
 Double bond geometry as shown.



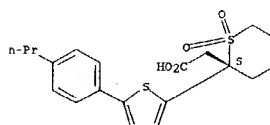
RN 501946-26-5 CAPLUS
 CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-(4-[(5-
 oxazolylcarbonyl)amino]phenyl)-2-thienyl]-, (4-methoxyphenyl)methyl ester,
 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 501946-28-7 CAPLUS
 CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-(4-propylphenyl)-2-thienyl]-,
 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

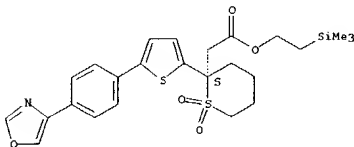
Absolute stereochemistry.



RN 501946-31-2 CAPLUS

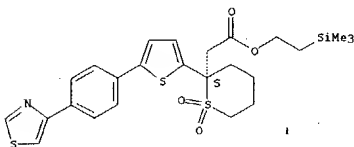
L14 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)
 CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-[4-(4-oxazolyl)phenyl]-2-thienyl]-, 2-(trimethylsilyl)ethyl ester, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



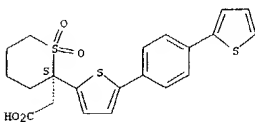
RN 501946-33-4 CAPLUS
 CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-[4-(4-thiazolyl)phenyl]-2-thienyl]-, 2-(trimethylsilyl)ethyl ester, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 501946-39-0 CAPLUS
 CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-[4-(2-thienyl)phenyl]-2-thienyl]-, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

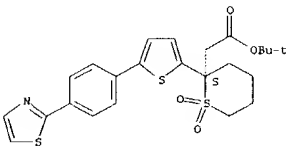
Absolute stereochemistry.



L14 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

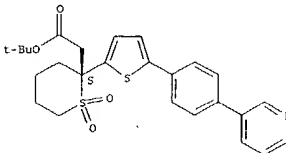
RN 501946-48-1 CAPLUS
 CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-[4-(2-thiazolyl)phenyl]-2-thienyl]-, 1,1-dimethylethyl ester, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



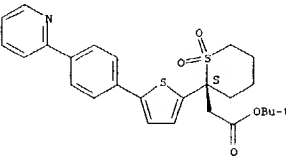
RN 501946-50-5 CAPLUS
 CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-[4-(3-pyridinyl)phenyl]-2-thienyl]-, 1,1-dimethylethyl ester, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 501946-52-7 CAPLUS
 CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-[4-(2-pyridinyl)phenyl]-2-thienyl]-, 1,1-dimethylethyl ester, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

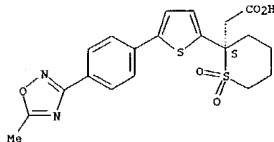
Absolute stereochemistry.



L14 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

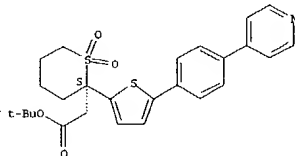
RN 501946-44-7 CAPLUS
 CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-[4-(5-methyl-1,2,4-oxadiazol-3-yl)phenyl]-2-thienyl]-, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



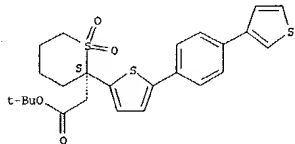
RN 501946-46-9 CAPLUS
 CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-[4-(4-pyridinyl)phenyl]-2-thienyl]-, 1,1-dimethylethyl ester, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 501946-47-0 CAPLUS
 CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-[4-(3-thienyl)phenyl]-2-thienyl]-, 1,1-dimethylethyl ester, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

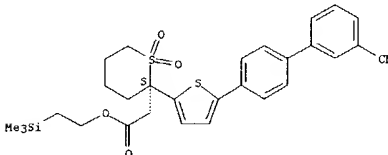
Absolute stereochemistry.



L14 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

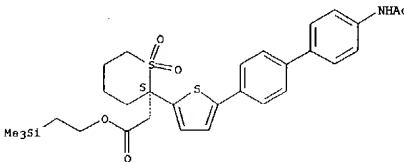
RN 501946-53-8 CAPLUS
 CN 2H-Thiopyran-2-acetic acid, 2-[5-(3'-cyano[1,1'-biphenyl]-4-yl)-2-thienyl]tetrahydro-, 2-(trimethylsilyl)ethyl ester, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 501946-61-8 CAPLUS
 CN 2H-Thiopyran-2-acetic acid, 2-[5-[4'-(acetylamino)[1,1'-biphenyl]-4-yl]-2-thienyl]tetrahydro-, 2-(trimethylsilyl)ethyl ester, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

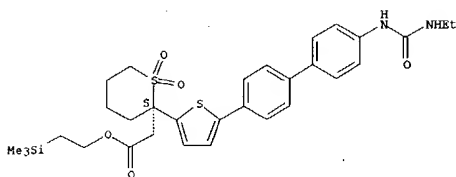
Absolute stereochemistry.



RN 501946-63-0 CAPLUS
 CN 2H-Thiopyran-2-acetic acid, 2-[5-[4'-[(ethylamino)carbonyl]amino][1,1'-biphenyl]-4-yl]-2-thienyl]tetrahydro-, 2-(trimethylsilyl)ethyl ester, 1,1-dioxide, (2S)- (9CI) (CA INDEX NAME)

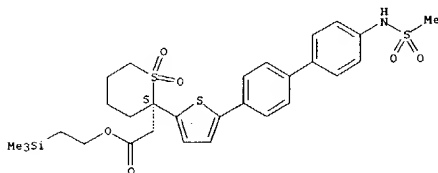
Absolute stereochemistry.

L14 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



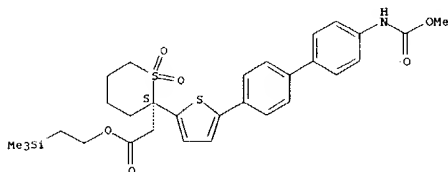
RN 501946-64-1 CAPLUS
CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-[4'-(trimethylsilyl)ethyl]-2-thienyl]-, 1,1-dioxide, (2S)-(9CI) (CA INDEX NAME)

Absolute stereochemistry.

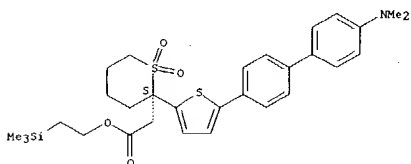


RN 501946-66-3 CAPLUS
CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-[4'-(methoxycarbonylamino)-1,1'-biphenyl]-4-yl]-2-thienyl-, 1,1-dioxide, (2S)-(9CI) (CA INDEX NAME)

Absolute stereochemistry.

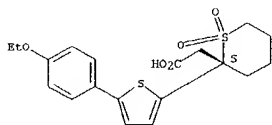


L14 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



RN 501946-97-0 CAPLUS
CN 2H-Thiopyran-2-acetic acid, 2-[5-(4-ethoxyphenyl)-2-thienyl]tetrahydro-, 1,1-dioxide, (2S)-(9CI) (CA INDEX NAME)

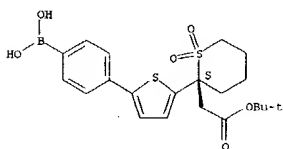
Absolute stereochemistry.



IT 501946-45-8, (S)-[4-[5-[2-(tert-butoxycarbonylmethyl)-1,1-dioxo-3,4,5,6-tetrahydro-2H-thiopyran-2-yl]thiophen-2-yl]phenyl]boronic acid
RL: RCT (Reactant); RACT (Reactant or reagent)
(preparation of (thiophenyl)thiopyrandioxides as MMP or TNF-α inhibitors)

RN 501946-45-8 CAPLUS
CN 2H-Thiopyran-2-acetic acid, 2-[5-(4-boronophenyl)-2-thienyl]tetrahydro-, α-(1,1-dimethylethyl) ester, 1,1-dioxide, (2S)-(9CI) (CA INDEX NAME)

Absolute stereochemistry.

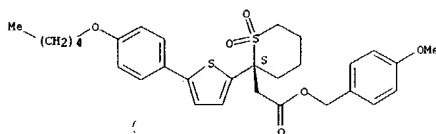


REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L14 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

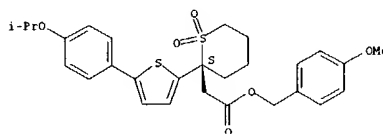
RN 501946-67-4 CAPLUS
CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-[4-(pentyloxy)phenyl]-2-thienyl]-, (4-methoxyphenyl)methyl ester, 1,1-dioxide, (2S)-(9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 501946-69-6 CAPLUS
CN 2H-Thiopyran-2-acetic acid, tetrahydro-2-[5-[4-(1-methylethoxy)phenyl]-2-thienyl]-, (4-methoxyphenyl)methyl ester, 1,1-dioxide, (2S)-(9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 501946-95-8 CAPLUS
CN 2H-Thiopyran-2-acetic acid, 2-[5-[4'-(dimethylamino)-1,1'-biphenyl]-4-yl]-2-thienyl]tetrahydro-, 2-(trimethylsilyl)ethyl ester, 1,1-dioxide, (2S)-(9CI) (CA INDEX NAME)

Absolute stereochemistry.

L14 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

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COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

10.46

381.25

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

CA SUBSCRIBER PRICE

-0.70

-0.70

STN INTERNATIONAL LOGOFF AT 09:33:56 ON 06 DEC 2004